

Date: Tue, 7 Dec 93 19:38:11 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1433
To: Info-Hams

Info-Hams Digest Tue, 7 Dec 93 Volume 93 : Issue 1433

Today's Topics:

Any address for ARRL article proposals?
Club by-laws and documents
GPS sat sound?
Help! SB-200 Problem
How to Calibrate an SWR meter (2 msgs)
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Need RACES Bulletin #302
Reusing Tickets...
SSTV QSOs w/1200C owners wanted!
Talk America Radio Netwo
TS440 Xmit Hangup
Upgrading from old tech liscense (2 msgs)
VHF in Virgin Islands

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 7 Dec 93 12:41:13 EST
From: psinntp!arrl.org@uunet.uu.net
Subject: Any address for ARRL article proposals?
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, ehare@arrl.org (Ed Hare - KA1CV) writes:

>In rec.radio.amateur.misc, holland@gasmac.dom.uab.edu (Steve Holland) writes:
>
>>If I wanted to determine if ARRL would be interested in a proposal
>>for an article, is there an internet address that would be appropriate?
>
>>Steve Holland
>
>Steve,
>
>The person who could help you start that process is Al Brogden. His
>email address is:
>
>abrogden@arrl.org

Actually, it's:

abrogdon@arrl.org

^

but I've aliased the other address, since it will no doubt find
it's way from Ed's posting to someone's "To" line.

>We have just updated our email addresses list. I will post it
>on my next post. (Our posts are being delayed by a day or two,
>so I will email you a copy.)

Posts should be OK now, but we're still transitioning, so expect
possible further delays during the next couple of weeks.

>73 and Happy Holidays from ARRL HQ, Ed -- KA1CV

Hey, *you* don't speak for all of ARRL HQ! :-)

-- Jon "Bah, humbug" Bloom

Jon Bloom, KE3Z	jbbloom@arrl.org
American Radio Relay League	
225 Main St., Newington CT 06111	

Date: 7 Dec 93 08:11:09 GMT
From: noc.near.net!news.delphi.com!BIX.com!arog@uunet.uu.net
Subject: Club by-laws and documents
To: info-hams@ucsd.edu

alan.cunningham%ccmail@x400gw.msfc.nasa.gov (Alan Cunningham) writes:

>[Excuse the cross-post from r.r.a.p]

>I have been elected as president of our local repeater association. We have
>about 370 members and manage four local repeaters. The documents that govern
>the group (articles of incorporation and by-laws) have been unchanged since
>1969. After filling some vacant offices, the group agreed that our governing
>documents must be updated and I lead that committee as well.

I strongly suggest that before even *thinking* about touching
your incorporation paperwork, that you get a lawyer. The first
question to ask is, "If we change any of this, do we have to
make the rest of it conform to the current law?"

Many states have had problems arise from non-profit/club situations
and have set things up so that anytime any part of such documents
are changed, the whole thing must be made acceptable for the
law at the time the changed document is submitted to the Registrar
of Corporations (by what ever title.)

... and as to the by-laws, make sure that you do what ever
drill is required by the corporate charter that is in
effect at the time that you do them.

alan, w6spk
arog@BIX.com, moderator of ham.radio,
VP of the Palisades Amateur Radio (of Culver City fame)
and past pres of it as well.

Date: Mon, 6 Dec 1993 04:11:22 GMT
From: csus.edu!netcom.com!wb6w@decwrl.dec.com
Subject: GPS sat sound?
To: info-hams@ucsd.edu

Oh, another thing...ALL of the GPS birds share the SAME downlink freqs!
You discern one from another by using the PN code unique to the GPS bird
you want to use. - de Glenn WB6W@NETCOM>COM

Date: Mon, 6 Dec 1993 17:38:37 GMT
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!darwin.sura.net!news-
feed-2.peachnet.edu!concert!corpgate!nrtpa038!bnr.ca!dstone@network.ucsd.edu
Subject: Help! SB-200 Problem
To: info-hams@ucsd.edu

I recently bought a SB-200 and decided to "upgrade the circuitry." My modifications consisted of the following:

- Replaced the power supply's 125 uF 450V Electrolytic Twist Lock Can Capacitors (Which were leaking. New replacements are very expensive and difficult to find...) with brand new 220 uF 450V electrolytic capacitors (Panasonic TS-Series).
- Replaced all the power supply diodes, and bypassed each with a 0.01 uF 1 kV ceramic disc capacitor and a 470k 1/2 watt resistor (for equalization).
- Replaced the Parasitic Chokes on the 572B Plate Caps. Old chokes were 3 turns wound on 47 Ohm 2 W resistor. New chokes are 2 turns wound on 56 Ohm 2 Watt resistor.
- Repaced 0.001 uF 3kV bypass capacitor on Plate Supply with new 0.001 uF 10kV.
- Cleaned bandswitch.

The following illustates the amplifier performance before and after the modifications were applied: ("After" Values shown in Brackets)

Freq. (MHz)	Output Power (W)	Plate Current (mA)	Plate Voltage (V)
3.500	380 [450]	400 [430]	1800 [1850]
4.000	620 [700]	500 [500]	1800 [1825]
7.000	580 [525]	400 [430]	1800 [1850]
7.300	590 [650]	400 [460]	1800 [1850]
10.100*	250 [500]	340 [460]	1850 [1825]
14.000	690 [250]	500 [250]	1800 [1850]
14.350	600 [280]	400 [250]	1800 [1850]
18.100**	710 [700]	550 [480]	1750 [1800]
21.000	450 [480]	360 [380]	1800 [1850]
21.450	500 [600]	380 [440]	1800 [1850]
24.890***	450 [500]	500 [500]	1750 [1850]
28.000	500 [540]	460 [480]	1800 [1825]
29.700	420 [500]	420 [420]	1800 [1820]

Notes:

* = Bandswitch in 20 Meter Position
** = Bandswitch in 15 Meter Position
*** = Bandswitch in 10 Meter Position
100 Watts Drive used for all measurements.
Exciter is SB-1400 in CW mode.

As expected, the power supply improvements generally resulted in a somewhat higher plate voltage and a corresponding higher RF output. HOWEVER, the performance on 20 Meters is greatly WORSE !!!

- a. There is no difference between 20, 15, and 10 meters on the the output network, except for the obvious coil tap and cap setting differences (i.e., on 80 meters, additional fixed caps are switched in), so there are no "unique" output components on 20 meters to fail. The tune/load caps are clean, and all solder joints are good.
- b. I placed an SWR bridge between the exciter and input of the SB-200 to check for input network problems (mismatches). Match was better 1.5:1 on all bands, including 20 meters.

I have considered the possibilty of a bandswitch problem. However, the 20 meter switch position is used to tune for 30 meters, which performed extremely well, indicating the bandswitch is good. [By the way, I AM aware that the maximum legal output on 30 meter is 250 watts. I was testing on the 10 MHz band to get an idea of the amplifier's frequency response. Please, no flames. I do NOT intend to QRO on 30 meters.]

I have swaped the two 572B's with EACH OTHER, but have NOT tried new tubes. Anyway, I doubt seriously that this is the problem.....

I've not probed with a scope and RF probe yet. I'm not sure what to look for. I'm baffled. Any ideas?

Date: 6 Dec 93 23:00:48 GMT
From: ogicse!cs.uoregon.edu!sgiblab!darwin.sura.net!fconvx.ncifcrf.gov!fcs260c!mack@network.ucsd.edu
Subject: How to Calibrate an SWR meter
To: info-hams@ucsd.edu

In article <1993Dec6.165401.26044@bradford.ac.uk> K.E.Walton@bradford.ac.uk (KE WALTON) writes:

>Hi

>

>I have purchased a cheap SWR meter from a rally, how do I go about
>calibrating it, How can a get a reading of 0 and/or 100% SWR ?

>

You need a source of zero reflected power - called a dummy load (rated at the frequency of interest of course). Stick it on the "out" side of the SWR meter, put the meter into forward mode, adjust meter for full scale deflection, then put meter in reverse mode, you should get no reflected power. FOr how to convert the reverse and forward paower into SWR , look up a manual.

Joe

NA3T

mack@ncifcrf.gov

Date: Tue, 7 Dec 1993 11:34:36 GMT
From: usc!howland.reston.ans.net!pipex!uknet!bradford.ac.uk!
K.E.Walton@network.ucsd.edu
Subject: How to Calibrate an SWR meter
To: info-hams@ucsd.edu

Hi

On the front of the meter it has got a 'Calibrate' Pot, and a switch marked FWD and REF not REV for reverse but REF for reference, is it the same difference ?

On the meter it is has got several scales, 1 to 5 across the top with 3 to 5 in red, at 5 it has got a point marked set, and underneath it has got a scale going from 1 to 3 but reading 0 to 25 %

So If I understand it right, with no reflective power (ie a dummy load straight on the output) and the switch in FWD mode I should set the needle to the 'set' point (5) when I am TX on full power. Then with the switch on REF it should read zero (reflective power).

With the output open and TX full (being carefull not to blow my rig up) the reflected power should equal the output power.

Thanks for the help if the above is correct, if not I think I need a few more explanations.

Thanks

Kevin

--

//// Computer Science Student	Email : K.E.Walton@Bradford.AC.UK	////
//// Bradford University	Snail Mail : 38 Fieldhead Street	////
//// England	Bradford, West Yorks,	////
//// Call Sign : G7PM0	ENGLAND, BD7 1LP	////

Date: 6 Dec 93 19:11:38 GMT
From: coplex!cstup@uunet.uu.net
Subject: HTX-404 info needed!
To: info-hams@ucsd.edu

I'm in need of the error codes for a Realistic HTX-404. I purchased it second hand, and didn't receive an owners manual.

It was giving me Err 2, but now its changed to Err 1.

Any help/advise?

Thanks!

--

-- Corey Stup
-- Inet: CSTUP@COPLEX.COM
-- Louisville, Kentucky
-- 40206-2207

Date: Thu, 2 Dec 1993 15:50:40 GMT
From: pacbell.com!sgiblab!brunix!maxcy2.maxcy.brown.edu!md@network.ucsd.edu
Subject: HYPOCRISY WARNING (was Re: Pyramid Schemes)
To: info-hams@ucsd.edu

In article <2djadfINNofl@abyss.West.Sun.COM>, myers@cypress.West.Sun.COM (Dana Myers) writes:

|> Goodness, you mean Jeff "CENSORSHIP WARNING" Herman actually supports
|> the censorship of someone's Usenet access based on the content of the messages
|> they send?

Since when is the prohibition of illegal activities "censorship"?

MD

--

-- Michael P. Deignan
-- Population Studies & Training Center
-- Brown University, Box 1916, Providence, RI 02912
-- (401) 863-7284

Date: 7 Dec 93 20:57:14 GMT
From: news-mail-gateway@ucsd.edu
Subject: Internet at Hong Kong University
To: info-hams@ucsd.edu

Hi,

One of my co-workers will be in Hong Kong for several weeks in January. Is there anybody there with internet access that he can contact so that he can access his mail and send stuff back here? Can he get an account

for a limited period?

Thanx,
Sid
sidb@pica.army.mil

Date: 3 Dec 1993 22:11:36 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!cs.utexas.edu!gerald@cc.utexas.edu!
phmac109.ph.utexas.edu!bsn@network.ucsd.edu
Subject: Museum Pieces
To: info-hams@ucsd.edu

I have several pieces of equipment suitable for the prospective museum curator or nostalgia buff. These are free if you can get them from my place to yours. These include: a Model 19 TTY and one (maybe two) spare TDs. I also have two typing reperforators. I don't recall the model number, possibly Model 28. The last item is a McElroy Morse keyer. It sends CW practice tapes at continuously selectable speeds. It is a beautiful piece of mechanical workmanship. I think it was used by the military for training in the WWII/Korean conflict era. As I recall, it is the prettiest sounding CW that I've heard since taking my amateur exams before the FCC at their offices in DC and New York. The code to be sent is punched onto a paper tape approx. 3/8" wide. I have a typing perforator that goes along to do this.

All of these were in working order the last time I used them (that has been a decade ago). I hate to haul 'em to the city dump but they are occupying garage space that must be used for other things.

If you are interested, or know of someone who might be, let me know on the net, by e-mail or via my CBA.

73,
W5KH
Barry Newberger, W5KH
Inst. for Fusion Studies, UT-Austin
Austin, TX 78712-1060
tel (512) 471-3726
fax (512) 471-6715

Date: 7 Dec 1993 19:34:37 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!spool.mu.edu!
news.clark.edu!netnews.nwnet.net!news.uoregon.edu!fp2-st-affairs-20.uoregon.edu!

user@network.ucsd.edu
Subject: Need a few QSL routes
To: info-hams@ucsd.edu

I'm looking for a few CQWW-CW QSL routes:

FY0EK
9Y4H
FM5CW
9V1ZE
VP9AD

Any help with these would be greatly appreciated. Most are new 80 meter countries. The contest helped put me over the top for 5BDXCC worked. Now the cards are the tough part.

Thanks,
Steve/AA7FL

milewski@oregon.uoregon.edu

Date: 7 Dec 93 19:30:17 GMT
From: news-mail-gateway@ucsd.edu
Subject: Need RACES Bulletin #302
To: info-hams@ucsd.edu

Somehow I missed RACES Bulletin #302 and it isn't in the archive at ucsd.edu like most of them. If someone has it and could send me a copy I'd appreciate it. Thanks.

Jim Ley, NX9F
ley@uwstout.edu

Date: 7 Dec 93 03:30:50 GMT
From: ogicse!uwm.edu!vixen.cso.uiuc.edu!howland.reston.ans.net!
usenet.ins.cwru.edu!odin!trier@network.ucsd.edu
Subject: Reusing Tickets...
To: info-hams@ucsd.edu

In article <1993Dec3.155035.11273@cnsvox.uwec.edu>,
<whitemp@cnsvox.uwec.edu> wrote:
>So, my question is: can't the FCC re-assign said call to new hams?

The FCC has said they may do this in the future. I gather the new

computer system can handle it. The idea of callsign reuse is usually bundled with the proposals for vanity and club callsign assignments, though I suppose there's no reason it couldn't be done by itself.

Stephen

--

Stephen Trier KB8PWA "The light at the end of the tunnel
Work: trier@ins.cwru.edu may be an oncoming dragon"
Home: sct@po.cwru.edu - Unknown

Date: Tue, 07 Dec 93 13:13:36 EST
From: library.ucla.edu!europa.eng.gtefsd.com!news.umbc.edu!eff!news.kei.com!
das.wang.com!wang!tosspot!lee@network.ucsd.edu
Subject: SSTV QSOs w/1200C owners wanted!
To: info-hams@ucsd.edu

Hi.

I'm looking to do a little testing of a pc based interface with SSTV. I'd like to work folk with Robot 1200C converters to check out a few specific things. If anyone out there with a 1200C would care to help, I'd be grateful.

BTW, I'm in NH.

Thanks,
Lee KD1SQ

Date: Sun, 5 DEC 93 22:20:42 EST
From: agate!spool.mu.edu!uwm.edu!rpi!usenet.elf.com!noc.near.net!news.delphi.com!
usenet@ames.arpa
Subject: Talk America Radio Netwo
To: info-hams@ucsd.edu

Hello from the staff and crew of This Week in Amateur Radio, North America's only satellite delivered on-air composite bulletin service. Two things for the Talk America Net folks.

First, can this amateur radio program be downlinked and aired on local repeater systems? (less commercials of course), perhaps on an edited basis?

!

DE N2LQS...Cheif Engineer, This Week in Amateur Radio.

Date: 30 Nov 93 18:56:01 GMT
From: ogicse!hp-cv!hp-pcd!hpspkla!sims@network.ucsd.edu
Subject: TS440 Xmit Hangup
To: info-hams@ucsd.edu

Bill Splaine (bsplaine@sr.hp.com) wrote:

| I have a friend whose newly aquired TS440 is hanging up on xmit.... or so
| the transmit LED indicates...
|
| The xcvr does not return to rcv. but he can not hear a side tone w/LED on.
| It all resets back to normal when he powers down and back on again. But the
| same problem reoccurs.
|

I used to have this problem with my TS940 after I moved the transmitting antenna closer to the operating table. I discovered the cause to be RF getting into the PTT line of the microphone cable. The problem was cured by placing a large split bead around the mic cable close to where it enters the rig. I haven't seen the problem since then. I suppose a bypass cap across the PTT line to ground would also be a good idea, but the bead solution was successful and easier to implement.

By 'powering down' do you mean reducing RF power or shutting off the rig?
The symptom that I described would be affected by reducing RF power as well.

Good luck!

--
John M. Sims N6AB /7
sims@spk.hp.com

Date: 7 Dec 93 03:38:50 GMT
From: walter!dancer!whs70@uunet.uu.net
Subject: Upgrading from old tech liscense
To: info-hams@ucsd.edu

In article <CHLG0M.9ux@hub.cs.jmu.edu> blaziec@hub.cs.jmu.edu (Christopher Blazie) writes:

>I earned my technician liscense about 8 or 9 years ago. I became

>relatively inactive in amateur radio for quite a while, and now
>I'm getting back into it. When I had my novice liscense, one had
>only to take the written exam to become a tech; the written exam
>was the same as the general-class exam. So, when a technician
>wanted to upgrade to general, all he/she had to do was pass the
>13wpm code test. Now, of course, things have changed...I've heard
>that those of us who had a tech liscense were grandfathered into
>the new system, i.e. we can still take take the 13wpm test and be
>upgraded.

Yes, that's absolutely true. I upgraded to general by just taking
the 13wpm test last December. I was a "grandfathered" tech
because I took the general theory when I became a tech. You

However, when I recently received a new liscense in the
>mail (just a replacement for the old one, which was lost), there
>was no designation that I could see that would set my lisense
>apart from any other (newer) tech liscense. Can someone shed
>some light on the new regulations? I've heard bits and pieces,
>but not enough to get a clear idea of what the rules are.
> - Chris/KA3PUF

If you can prove you became a tech before (damn, I can't find
my VE handbook so this is a best guess) about Feb 1987, then you'll
be given credit for the general theory test. Does your
duplicate license show an issue date of before '87? If not,
then I think a copy of a 1986 or earlier callbook that shows
you as being a tech would also suffice.

Bill Sohl (K2UNK) BELLCORE (Bell Communications Research, Inc.)
Morristown, NJ email via UUCP bcr!cc!whs70
201-829-2879 Weekdays email via Internet whs70@cc.bellcore.com

Date: Mon, 6 Dec 1993 03:21:56 GMT
From: hub.cs.jmu.edu!blaziec@uunet.uu.net
Subject: Upgrading from old tech liscense
To: info-hams@ucsd.edu

I earned my technician liscense about 8 or 9 years ago. I became
relatively inactive in amateur radio for quite a while, and now
I'm getting back into it. When I had my novice liscense, one had
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that those of us who had a tech liscense were grandfathered into the new system, i.e. we can still take the 13wpm test and be upgraded. However, when I recently received a new liscense in the mail (just a replacement for the old one, which was lost), there was no designation that I could see that would set my liscense apart from any other (newer) tech liscense. Can someone shed some light on the new regulations? I've heard bits and pieces, but not enough to get a clear idea of what the rules are.

Thanks!

- Chris/KA3PUF

Date: Wed, 01 Dec 1993 12:20:20 GMT
From: pacbell.com!sgiblab!sdd.hp.com!vixen.cso.uiuc.edu!uwm.edu!caen!malgudi.oar.net!witch!ame!psl@network.ucsd.edu
Subject: VHF in Virgin Islands
To: info-hams@ucsd.edu

Hi Mike,

In article <CHBsD9.42w.2@cs.cmu.edu>, Mike Blackwell (mkb@cs.cmu.edu) writes:

>
>I'll be in the British Virgin Islands for a week next month. I'm not
>planning on any HFing, but I was thinking of bring along a VHF/UHF HT.
>I was wondering:
>
>Will there be anyone to talk to? Repeaters?
>
>If so, and if you have been (or are) there, is it worthwhile (and \$20)
>to get a reciprocal license and bring my radio? (Obviously subjective
>- what's your opinion?)
>
>Are the frequency allocations the same as for the US?

>
> thanks, Mike Blackwell - ke3ig - mkb@cs.cmu.edu
>
>
>

It has been over ten years since I have been to the British Virgins, but my dad and I both got reciprical licenses when we went. There are good repeaters down there and you can hit many islands at once, depending on your location. We rented a sailboat and were able to communicate throught the islands at all times. Certain repeaters will be blocked by mountains on the islands at times, but overall, it was beneficial.
By the way, I believe 3rd party traffic is still illegal within the

BVI's and their territorial waters, so be watchful.
Have Fun. It's easy to get the reciprical (just paperwork & \$20).
- Pete

End of Info-Hams Digest V93 #1433
